ELSEVIER

Hearing Research 112 (1997) 267–268

HEARING RESEARCH

Author Index Volume 112

Aharinejad, S., see Franz, P. (112) 33

Carlyon, R.P., see White, L.J. (112) 141
Clark, G.M., see Tykocinski, M. (112) 147

Ding, D., see Hofstetter, P. (112) 199
Dolan, D.F., see Yamasoba, T. (112) 13

Fechter, L.D., see Liu, Y. (112) 134
Franz, P., Aharinejad, S., Miksovsky, A., Schraufnagel, D.E., Larson, E.K. and Marks Jr., S.C.
Endothelin-1 causes luminal constrictions in rat cochlear veins (112) 33
Frisina, R.D., see O'Neill, W.E. (112) 158

Guth, P.S., see Pantoja, A.M. (112) 21

Hartmann, R., Shepherd, R.K., Heid, S. and Klinke, R.
Response of the primary auditory cortex to electrical stimulation of the auditory nerve in the congenitally deaf white cat (112) 115
Heid, S., see Hartmann, R. (112) 115
Hofstetter, P., Ding, D., Powers, N. and Salvi, R.J.
Quantitative relationship of carboplatin dose to magnitude of inner and outer hair cell loss and the reduction in distortion product otoacoustic emission amplitude in chinchillas (112) 199
Holloway, L.A., see Pfingst, B.E. (112) 247
Holt, J.C., see Pantoja, A.M. (112) 21
Horikawa, J., see Sugimoto, S. (112) 175
Hozawa, K., see Zheng, Y. (112) 167

Juhn, S.K., see Kim, S.J. (112) 186

Kim, S.J., and Juhn, S.K.
Two types of K^+ currents in marginal cells cultured from rat stria vascularis (112) 186
Kimberling, W.J., see Pieke-Dahl, S. (112) 1
Kirk, D.L., and Patuzzi, R.B.
Transient changes in cochlear potentials and DPOAEs after low-frequency tones: the 'two-minute bounce' revisited (112) 49
Kirk, D.L., Moleirinho, A. and Patuzzi, R.B.
Microphonic and DPOAE measurements suggest a micromechanical mechanism for the 'bounce' phenomenon following low-frequency tones (112) 69
Klinke, R., see Hartmann, R. (112) 115

Larson, E.K., see Franz, P. (112) 33
Liu, J., see Sadanaga, M. (112) 106
Liu, Y., Rao, D. and Fechter, L.D.
Correspondence between middle frequency auditory loss in vivo and outer hair cell shortening in vitro (112) 134

Marks Jr., S.C., see Franz, P. (112) 33
McGee, J., see Pieke-Dahl, S. (112) 1
Miksovsky, A., see Franz, P. (112) 33
Miller, J.M., see Ren, T. (112) 87
Moleirinho, A., see Kirk, D.L. (112) 69
Mosteller, K.W., see Sinnott, J.M. (112) 235

Niedzielski, A.S., see Park, H.-J. (112) 95
Nuttall, A.L., see Ren, T. (112) 87

O'Neill, W.E., Zettel, M.L., Whittemore, K.R. and Frisina, R.D.
Calbindin D-28k immunoreactivity in the medial nucleus of the trapezoid body declines with age in C57BL/6, but not CBA/CaJ, mice (112) 158
Ohlemiller, K.K., see Pieke-Dahl, S. (112) 1
Ohyama, K., see Zheng, Y. (112) 167

Pantoja, A.M., Holt, J.C. and Guth, P.S.
A role for chloride in the suppressive effect of acetylcholine on afferent vestibular activity (112) 21
Parham, K.,
Distortion product otoacoustic emissions in the C57BL/6J mouse model of age-related hearing loss (112) 216
Park, H.-J., Niedzielski, A.S. and Wenthold, R.J.
Expression of the nicotinic acetylcholine receptor subunit, α9, in the guinea pig cochlea (112) 95
Patuzzi, R.B., see Kirk, D.L. (112) 49
Patuzzi, R.B., see Kirk, D.L. (112) 69
Pfingst, B.E., Zwolan, T.A. and Holloway, L.A.
Effects of stimulus configuration on psychophysical operating levels and on speech recognition with cochlear implants (112) 247
Pieke-Dahl, S., Ohlemiller, K.K., McGee, J., Walsh, E.J. and Kimberling, W.J.
Hearing loss in the RBF/DnJ mouse, a proposed animal model of Usher syndrome type IIa (112) 1
Powers, N., see Hofstetter, P. (112) 199

Rao, D., see Liu, Y. (112) 134
Ren, T., Nuttall, A.L. and Miller, J.M.
ATP-induced cochlear blood flow changes involve the nitric oxide pathway (112) 87
Ryals, B., Westbrook, E. and Schacht, J.
Morphological evidence of ototoxicity of the iron chelator deferoxamine (112) 44

Sadanaga, M., Liu, J. and Wangemann, P.
Endothelin-A receptors mediate vasoconstriction of capillaries in the spiral ligament (112) 106
Sakurada, M., see Sugimoto, S. (112) 175
Salvi, R.J., see Hofstetter, P. (112) 199
Schacht, J., see Ryals, B. (112) 44
Schraufnagel, D.E., see Franz, P. (112) 33
Shepherd, R.K., see Tykocinski, M. (112) 147
Shepherd, R.K., see Hartmann, R. (112) 115

Sinnott, J.M., Street, S.L., Mosteller, K.W. and Williamson, T.L.
Behavioral measures of vowel sensitivity in Mongolian gerbils (*Meriones unguiculatus*): effects of age and genetic origin (112) 235
Street, S.L., see Sinnott, J.M. (112) 235
Sugimoto, S., Sakurada, M., Horikawa, J. and Taniguchi, I.
The columnar and layer-specific response properties of neurons in the primary auditory cortex of Mongolian gerbils (112) 175

Takasaka, T., see Zheng, Y. (112) 167
Taniguchi, I., see Sugimoto, S. (112) 175
Tykocinski, M., Shepherd, R.K. and Clark, G.M.
Reduction in excitability of the auditory nerve following electrical stimulation at high stimulus rates. II. Comparison of fixed amplitude with amplitude modulated stimuli (112) 147

Wada, H., see Zheng, Y. (112) 167
Walsh, E.J., see Pieke-Dahl, S. (112) 1
Wangemann, P., see Sadanaga, M. (112) 106
Wenthold, R.J., see Park, H.-J. (112) 95
Westbrook, E., see Ryals, B. (112) 44
White, L.J., and Carlyon, R.P.
Detection of signals having expected and unexpected temporal structures (112) 141
Whittemore, K.R., see O'Neill, W.E. (112) 158
Williamson, T.L., see Sinnott, J.M. (112) 235

Yamasoba, T., and Dolan, D.F.
Chronic strychnine administration into the cochlea potentiates permanent threshold shift following noise exposure (112) 13

Zettel, M.L., see O'Neill, W.E. (112) 158
Zheng, Y., Ohyama, K., Hozawa, K., Wada, H. and Takasaka, T.
Effect of anesthetic agents and middle ear pressure application on distortion product otoacoustic emissions in the gerbil (112) 167
Zwolan, T.A., see Pfingst, B.E. (112) 247

ELSEVIER

Hearing Research 110 (1997) 269–272

HEARING RESEARCH

Subject Index Volume 112

Acetylcholine
Saccule; Frog; Chloride substitution; Chloride channel blocker; Vestibular (Pantoja, A.M. (112) 21)

Acoustic trauma
Efferent system; Medial olivocochlear bundle; Noise-induced hearing loss; Outer hair cell; Guinea pig (Yamasoba, T. (112) 13)

Adenosine trophosphate
Cochlear blood flow; Nitric oxide; Sodium nitroprusside; Guinea pig (Ren, T. (112) 87)

Aging
Distortion product otoacoustic emission; Mouse; Outer hair cells; Auditory brainstem evoked response (Parham, K. (112) 216)

Gerbil; Vowels; Hearing loss (Sinnott, J.M. (112) 235)

Anesthetic
Distortion product otoacoustic emission; Middle ear pressure; Gerbil (Zheng, Y. (112) 167)

Auditory brainstem evoked response
Distortion product otoacoustic emission; Mouse; Aging; Outer hair cells (Parham, K. (112) 216)

Auditory cortex
Deaf white cat; Electrical stimulation; Cochlear implant; Auditory deprivation (Hartmann, R. (112) 115)

Single-unit recording; Columnar organization; Layer specificity (Sugimoto, S. (112) 175)

Auditory deprivation
Deaf white cat; Electrical stimulation; Cochlear implant; Auditory cortex (Hartmann, R. (112) 115)

Auditory midbrain
Calcium binding protein; Presbycusis; Temporal processing; Immunocytochemistry (O'Neill, W.E. (112) 158)

Auditory nerve
Cochlear implant; High-rate electrical stimulation; Neural damage; Electrically evoked auditory brainstem response (Tykocinski, M. (112) 147)

Boltzmann transfer curve
Bounce phenomenon; Distortion product; Low-frequency microphonic (Kirk, D.L. (112) 69)

Bounce phenomenon
Distortion product; Low-frequency microphonic; Boltzmann transfer curve (Kirk, D.L. (112) 69)

Cochlear hyperacusis; Cochlear potential; Distortion product (Kirk, D.L. (112) 49)

Calcium binding protein
Auditory midbrain; Presbycusis; Temporal processing; Immunocytochemistry (O'Neill, W.E. (112) 158)

Capillary
Cochlear blood flow; Endothelin receptor; Cochlea; Labyrinth (Sadanaga, M. (112) 106)

Carboplatin
Distortion product otoacoustic emission; Chinchilla; Outer hair cell; Inner hair cell; Ototoxicity (Hofstetter, P. (112) 199)

Chinchilla
Distortion product otoacoustic emission; Outer hair cell; Inner hair cell; Carboplatin; Ototoxicity (Hofstetter, P. (112) 199)

Chloride channel blocker
Saccule; Frog; Acetylcholine; Chloride substitution; Vestibular (Pantoja, A.M. (112) 21)

Chloride substitution
Saccule; Frog; Acetylcholine; Chloride channel blocker; Vestibular (Pantoja, A.M. (112) 21)

Cochlea
Rat; Endothelin-1; Corrosion casting; Scanning electron microscopy; Transmission electron microscopy (Franz, P. (112) 33)

Cochlear blood flow; Capillary; Endothelin receptor; Labyrinth (Sadanaga, M. (112) 106)

Adenosine trophosphate; Nitric oxide; Sodium nitroprusside; Guinea pig (Ren, T. (112) 87)

Capillary; Endothelin receptor; Cochlea; Labyrinth (Sadanaga, M. (112) 106)

Cochlear hyperacusis
Bounce phenomenon; Cochlear potential; Distortion product (Kirk, D.L. (112) 49)

Cochlear implant
Deaf white cat; Electrical stimulation; Auditory cortex; Auditory deprivation (Hartmann, R. (112) 115)

High-rate electrical stimulation; Auditory nerve; Neural damage; Electrically evoked auditory brainstem response (Tykocinski, M. (112) 147)

Detection threshold; Electrode configuration; Electrical stimulation; Human; Psychophysics; Pulse duration; Speech recognition (Pfingst, B.E. (112) 247)

Cochlear potential
Cochlear hyperacusis; Bounce phenomenon; Distortion product (Kirk, D.L. (112) 49)

Columnar organization
Single-unit recording; Auditory cortex; Layer specificity (Sugimoto, S. (112) 175)

Corrosion casting
Rat; Cochlea; Endothelin-1; Scanning electron microscopy; Transmission electron microscopy (Franz, P. (112) 33)

Deaf white cat
Electrical stimulation; Cochlear implant; Auditory cortex; Auditory deprivation (Hartmann, R. (112) 115)

Deferoxamine
Ototoxicity; Iron chelator (Ryals, B. (112) 44)

Detection threshold
Cochlear implant; Electrode configuration; Electrical stimulation; Human; Psychophysics; Pulse duration; Speech recognition (Pfingst, B.E. (112) 247)

Distortion product
Bounce phenomenon; Low-frequency microphonic; Boltzmann transfer curve (Kirk, D.L. (112) 69)

Cochlear hyperacusis; Bounce phenomenon; Cochlear potential (Kirk, D.L. (112) 49)

Anesthetic; Middle ear pressure; Gerbil (Zheng, Y. (112) 167)

Chinchilla; Outer hair cell; Inner hair cell; Carboplatin; Ototoxicity (Hofstetter, P. (112) 199)

Mouse; Aging; Outer hair cells; Auditory brainstem evoked response (Parham, K. (112) 216)

Efferent receptor
Hair cell; In situ hybridization; Immunocytochemistry; Kanamycin; Ototoxicity (Park, H.-J. (112) 95)

Efferent system
Medial olivocochlear bundle; Noise-induced hearing loss; Outer hair cell; Guinea pig; Acoustic trauma (Yamasoba, T. (112) 13)

Electrical stimulation
Deaf white cat; Cochlear implant; Auditory cortex; Auditory deprivation (Hartmann, R. (112) 115)

Cochlear implant; Detection threshold; Electrode configuration; Human; Psychophysics; Pulse duration; Speech recognition (Pfingst, B.E. (112) 247)

Electrically-evoked auditory brainstem response
Cochlear implant; High-rate electrical stimulation; Auditory nerve; Neural damage (Tykocinski, M. (112) 147)

Electrode configuration
Cochlear implant; Detection threshold; Electrical stimulation; Human; Psychophysics; Pulse duration; Speech recognition (Pfingst, B.E. (112) 247)

Endothelin receptor
Cochlear blood flow; Capillary; Cochlea; Labyrinth (Sadanaga, M. (112) 106)

Endothelin-1
Rat; Cochlea; Corrosion casting; Scanning electron microscopy; Transmission electron microscopy (Franz, P. (112) 33)

Expectation
Temporal integration; Multiple looks; Signal detection theory (White, L.J. (112) 141)

Frog
Saccule; Acetylcholine; Chloride substitution; Chloride channel blocker; Vestibular (Pantoja, A.M. (112) 21)

Gerbil
Distortion product otoacoustic emission; Anesthetic; Middle ear pressure (Zheng, Y. (112) 167)

Aging; Vowels; Hearing loss (Sinnott, J.M. (112) 235)

Guinea pig
Efferent system; Medial olivocochlear bundle; Noise-induced hearing loss; Outer hair cell; Acoustic trauma (Yamasoba, T. (112) 13)

Adenosine trophosphate; Cochlear blood flow; Nitric oxide; Sodium nitroprusside (Ren, T. (112) 87)

Hair cell
Efferent receptor; In situ hybridization; Immunocytochemistry; Kanamycin; Ototoxicity (Park, H.-J. (112) 95)

Hearing loss
Gerbil; Aging; Vowels (Sinnott, J.M. (112) 235)

High-rate electrical stimulation
Cochlear implant; Auditory nerve; Neural damage; Electrically evoked auditory brainstem response (Tykocinski, M. (112) 147)

Human
Cochlear implant; Detection threshold; Electrode configuration; Electrical stimulation; Psychophysics; Pulse duration; Speech recognition (Pfingst, B.E. (112) 247)

Immunocytochemistry
Hair cell; Efferent receptor; In situ hybridization; Kanamycin; Ototoxicity (Park, H.-J. (112) 95)

Calcium binding protein; Auditory midbrain; Presbycusis; Temporal processing (O'Neill, W.E. (112) 158)

In situ hybridization
Hair cell; Efferent receptor; Immunocytochemistry; Kanamycin; Ototoxicity (Park, H.-J. (112) 95)

Inner hair cell
Distortion product otoacoustic emission; Chinchilla; Outer hair cell; Carboplatin; Ototoxicity (Hofstetter, P. (112) 199)

Inward rectifier
Marginal cell; Stria vascularis; K^+ current; Outward rectifier (Kim, S.J. (112) 186)

Iron chelator
Ototoxicity; Deferoxamine (Ryals, B. (112) 44)

K^+ current
Marginal cell; Stria vascularis; Inward rectifier; Outward rectifier (Kim, S.J. (112) 186)

Kanamycin
Hair cell; Efferent receptor; In situ hybridization; Immunocytochemistry; Ototoxicity (Park, H.-J. (112) 95)

Labyrinth
Cochlear blood flow; Capillary; Endothelin receptor; Cochlea (Sadanaga, M. (112) 106)

Layer specificity
Single-unit recording; Auditory cortex; Columnar organization (Sugimoto, S. (112) 175)

Low-frequency microphonic
Bounce phenomenon; Distortion product; Boltzmann transfer curve (Kirk, D.L. (112) 69)

Marginal cell
Stria vascularis; K^+ current; Inward rectifier; Outward rectifier (Kim, S.J. (112) 186)

Medial olivocochlear bundle
Efferent system; Noise-induced hearing loss; Outer hair cell; Guinea pig; Acoustic trauma (Yamasoba, T. (112) 13)

Middle ear pressure
Distortion product otoacoustic emission; Anesthetic; Gerbil (Zheng, Y. (112) 167)

Mouse
Distortion product otoacoustic emission; Aging; Outer hair cells; Auditory brainstem evoked response (Parham, K. (112) 216)

Multiple looks
Temporal integration; Signal detection theory; Expectation (White, L.J. (112) 141)

Neural damage
Cochlear implant; High-rate electrical stimulation; Auditory nerve; Electrically evoked auditory brainstem response (Tykocinski, M. (112) 147)

Nitric oxide
Adenosine trophosphate; Cochlear blood flow; Sodium nitroprusside; Guinea pig (Ren, T. (112) 87)

Noise-induced hearing loss
Efferent system; Medial olivocochlear bundle; Outer hair cell; Guinea pig; Acoustic trauma (Yamasoba, T. (112) 13)

Ototoxicity
Iron chelator; Deferoxamine (Ryals, B. (112) 44)

Toluene; Outer hair cell (Liu, Y. (112) 134)

Hair cell; Efferent receptor; In situ hybridization; Immunocytochemistry; Kanamycin (Park, H.-J. (112) 95)

Distortion product otoacoustic emission; Chinchilla; Outer hair cell; Inner hair cell; Carboplatin (Hofstetter, P. (112) 199)

Outer hair cell
Efferent system; Medial olivocochlear bundle; Noise-induced hearing loss; Guinea pig; Acoustic trauma (Yamasoba, T. (112) 13)

Ototoxicity; Toluene (Liu, Y. (112) 134)

Distortion product otoacoustic emission; Chinchilla; Inner hair cell; Carboplatin; Ototoxicity (Hofstetter, P. (112) 199)

Distortion product otoacoustic emission; Mouse; Aging; Auditory brainstem evoked response (Parham, K. (112) 216)

Outward rectifier
Marginal cell; Stria vascularis; K^+ current; Inward rectifier (Kim, S.J. (112) 186)

Presbycusis
Calcium binding protein; Auditory midbrain; Temporal processing; Immunocytochemistry (O'Neill, W.E. (112) 158)

Psychophysics
Cochlear implant; Detection threshold; Electrode configuration; Electrical stimulation; Human; Pulse duration; Speech recognition (Pfingst, B.E. (112) 247)

Pulse duration
Cochlear implant; Detection threshold; Electrode configuration; Electrical stimulation; Human; Psychophysics; Speech recognition (Pfingst, B.E. (112) 247)

Rat
Cochlea; Endothelin-1; Corrosion casting; Scanning electron microscopy; Transmission electron microscopy (Franz, P. (112) 33)

RBF/DnJ
Usher syndrome type IIa; USH2A; *rd3* (Pieke-Dahl, S. (112) 1)

rd3
Usher syndrome type IIa; USH2A; RBF/DnJ (Pieke-Dahl, S. (112) 1)

Saccule
Frog; Acetylcholine; Chloride substitution; Chloride channel blocker; Vestibular (Pantoja, A.M. (112) 21)

Scanning electron microscopy
Rat; Cochlea; Endothelin-1; Corrosion casting; Transmission electron microscopy (Franz, P. (112) 33)

Signal detection theory
Temporal integration; Multiple looks; Expectation (White, L.J. (112) 141)

Single-unit recording
Auditory cortex; Columnar organization; Layer specificity (Sugimoto, S. (112) 175)

Sodium nitroprusside
Adenosine trophosphate; Cochlear blood flow; Nitric oxide; Guinea pig (Ren, T. (112) 87)

Speech recognition
Cochlear implant; Detection threshold; Electrode configuration; Electrical stimulation; Human; Psychophysics; Pulse duration (Pfingst, B.E. (112) 247)

Stria vascularis
Marginal cell; K^+ current; Inward rectifier; Outward rectifier (Kim, S.J. (112) 186)

Temporal integration
Multiple looks; Signal detection theory; Expectation (White, L.J. (112) 141)

Temporal processing
Calcium binding protein; Auditory midbrain; Presbycusis; Immunocytochemistry (O'Neill, W.E. (112) 158)

Toluene
Ototoxicity; Outer hair cell (Liu, Y. (112) 134)

Transmission electron microscopy
Rat; Cochlea; Endothelin-1; Corrosion casting; Scanning electron microscopy (Franz, P. (112) 33)

USH2A
Usher syndrome type IIa; *rd3*; RBF/DnJ (Pieke-Dahl, S. (112) 1)

Usher syndrome type IIa
USH2A; *rd3*; RBF/DnJ (Pieke-Dahl, S. (112) 1)

Vestibular
Saccule; Frog; Acetylcholine; Chloride substitution; Chloride channel blocker (Pantoja, A.M. (112) 21)

Vowels
Gerbil; Aging; Hearing loss (Sinnott, J.M. (112) 235)